

CLAIMS

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I claim:

1. An electronic battery kill switch system for a vehicle having a vehicle electrical system and having a battery with plates and terminal posts, the kill switch system comprising:
a silicon controlled rectifier having a gate;
a metal oxide semiconductor field effect transistor electrically connected between a battery plate and a battery terminal post, the metal oxide semiconductor field effect transistor being electrically or electronically connected to the silicon controlled rectifier and having a gate;
signal means supplying an emergency signal to said gate of the silicon controlled rectifier, wherein, in response to said emergency signal, said silicon controlled rectifier is adapted to turn off said gate of said metal oxide semiconductor field effect transistor so that the battery plate to terminal post electrical connection is interrupted, wherein the battery is disconnected from said vehicle electrical system.
2. The kill switch system of Claim 1, wherein said signal means comprises means for sensing an airbag deployment.

3. The kill switch system of Claim 1, wherein said signal means comprises means for sensing an abnormal engine condition.

4. The kill switch system of Claim 1, wherein said signal means comprises means for sensing an abnormal electrical condition in said vehicle electrical system.

5. The kill switch system of Claim 1, wherein said signal means comprises a switch operatively connected to a seatbelt pendulum for sensing an impact.

6. The kill switch system of Claim 1, wherein said signal means comprises means for sensing contact of the vehicle with a conflicting ground state.

7. The kill switch system of Claim 1, wherein said signal means comprises means for detecting a fuel leak.

8. The kill switch system of Claim 1, wherein said signal means comprises means for sensing a low fuel pump outlet pressure.

9. The kill switch system of Claim 1, wherein said signal means comprises means for receiving a signal from law enforcement officials.

10. The kill switch system of Claim 1, wherein said signal means comprises means for receiving a signal from a satellite positioning system.

11. The kill switch system of Claim 1, wherein said signal means comprises amplification means.
12. The kill switch system of Claim 1, wherein said silicon controlled rectifier being adapted to turn off said gate of said metal oxide semiconductor field effect transistor comprises circuitry to shunt the gate of said metal oxide semiconductor field effect transistor to ground so that a drain-source connection of the metal oxide semiconductor field effect transistor is deactivated.
13. The kill switch system of Claim 12, wherein deactivation of the drain-source connection of said metal oxide semiconductor field effect transistor disconnects battery current flow from said battery plate to a negative terminal post of the battery.
14. The kill switch system of Claim 1, wherein said signal means further comprises a zener diode for protecting the gate of the metal oxide semiconductor field effect transistor from high voltage.
15. The kill switch system of Claim 1, wherein said signal means further comprises encryption of a emergency signal to prevent unauthorized battery shutdown.
16. The kill switch system of Claim 1, wherein said signal means further comprises a rotating frequency means for preventing unauthorized battery shutdown.

17. The kill switch system of Claim 1 further comprising an activation switch with means for energizing the gate of the metal oxide semiconductor field effect transistor when the battery is to be place in service.

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